Title (en)
SYSTEM AND METHOD FOR PROVIDING ANSWERS TO QUESTIONS

Title (de)
SYSTEM UND VERFAHREN ZUR BEANTWORTUNG VON FRAGEN

Title (fr)
SYSTÈME ET PROCÉDÉ DE FOURNITURE DE RÉPONSES À DES QUESTIONS

Publication
EP 2283440 A1 20110216 (EN)

Application
EP 09747555 A 20090514

Priority
- US 2009043918 W 20090514
- US 15241108 A 20080514

Abstract (en)
[origin: US2009287678A1] A system, method and computer program product for providing answers to questions based on any corpus of data. The method facilitates generating a number of candidate passages from the corpus that answer an input query, and finds the correct resulting answer by collecting supporting evidence from the multiple passages. By analyzing all retrieved passages and that passage's metadata in parallel, there is generated an output plurality of data structures including candidate answers based upon the analyzing. Then, by each of a plurality of parallel operating modules, supporting passage retrieval operations are performed upon the set of candidate answers, and for each candidate answer, the data corpus is traversed to find those passages having candidate answer in addition to query terms. All candidate answers are automatically scored causing the supporting passages by a plurality of scoring modules, each producing a module score. The modules scores are processed to determine one or more query answers; and, a query response is generated for delivery to a user based on the one or more query answers.

IPC 8 full level
G06F 17/30 (2006.01); G06F 17/28 (2006.01); G06N 5/02 (2006.01)

CPC (source: EP US)
G06F 16/3329 (2018.12 - EP US); **G06F 16/334** (2018.12 - EP US); **G06F 16/3344** (2018.12 - EP US); **G06F 40/40** (2020.01 - US); **G06N 5/02** (2013.01 - EP US)

Cited by
CN111353290A; US9330084B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
US 2009287678 A1 20091119; **US 8275803 B2 20120925**; EP 2283440 A1 20110216; EP 2283440 A4 20160106; US 2013007033 A1 20130103; US 2014258286 A1 20140911; US 8768925 B2 20140701; US 9703861 B2 20170711; WO 2009140473 A1 20091119

DOCDB simple family (application)
US 15241108 A 20080514; EP 09747555 A 20090514; US 2009043918 W 20090514; US 201213612473 A 20120912; US 201414283929 A 20140521